

SPECIFICATIONS

Model 1434

HIGH POWER CAMAC CRATE

OUTPUTS

Total Power:	450 W maximum ± 6 V, ± 12 V, ± 24 V combined.
± 6 V:	Up to 50 A from either supply. 75 A maximum total.
± 24 V:	6 A maximum each. Subtract current drawn by ± 12 V load.
± 12 V:	3 A maximum each. Derived from ± 24 V supply.

PERFORMANCE

Ripple:	<5 mV peak-to-peak (50 MHz bandwidth).
Regulation:	$\pm (0.01\% + 1 \text{ mV})$ line or load (measured at the sense leads).
Temperature Coefficient:	<100 ppm/ $^{\circ}\text{C}$.
Long Term Stability:	<0.1%/24 hours of constant load and temperature. Measured after 1 hour warmup.
Response Time:	Settles to within 0.1% of final value in less than 100 μsec for 10% to 100% load change.
Tracking:	During switch on all six output voltages rise together. Risetime 10 msec.

GENERAL

Overload Protection:	Protected against overload by current limit circuit; short circuit proof. All outputs switch off within 20 msec of overload.
Overvoltage Protection:	All outputs are protected against transient overvoltages by high current transient suppressors. Any sustained overvoltage will turn off all outputs within 20 msec.
Thermal Protection:	A thermal sensor shuts down the supply in the event of a thermal overload. A front panel thermal overload light indicates an over-temperature condition. Remote indication of an overload is provided.
Operating Range:	Full 450 W output from 0°C to 50°C ambient temperature.
Meter:	3½ digit meter provides monitoring of all output currents and voltages. Accuracy $\pm 1\%$ of full scale voltage; $\pm 2\%$ of full scale current. Resolution better than 0.5%.
Input Voltage:	100/115/230 VAC $\pm 12\%$ 47 to 65 Hz.
Dimensions:	19" rack mount, 12¼" height, 20⅞" depth.

ORDERING INFORMATION

Model No.	Description
1434	Complete Crate Assembly. Includes supply and fan tray
1034P	Power Supply Only
1034F	Fan Tray Assembly

SPECIFICATIONS SUBJECT TO CHANGE